In the Title:

Please amend the title to read as follows:

PHOTONIC VARIABLE DELAY DEVICES BASED ON OPTICAL BIREFRINGENCE

In the Specification:

1. Replace the title on Column 1, lines 2-3 with the following new title:

PHOTONIC VARIABLE DELAY DEVICES BASED ON OPTICAL BIREFRINGENCE.

2. In the Preliminary Amendment filed along with the reissue application on November 2, 2001, a new paragraph was added prior to the paragraph beginning on Column 1, line 4 of the original patent No. 5,978,125. Please amend this added paragraph as follows:

This is a broadening reissue application of the patent No.5,978,125 **which has been surrendered to the U.S. Patent and Trademark Office**. Another broadening reissue application**, No. 10/002,947,** of the same patent No. 5,978,125 was filed on October 31, 2001 [and is currently pending].

Hence, the amended paragraph in the underlined format to be added prior to the paragraph beginning on Column 1, line 4 of the original patent No. 5,978,125 is

This is a broadening reissue application of the patent No.5,978,125 which has been surrendered to the U.S. Patent and Trademark Office. Another broadening reissue application, No. 10/002,947, of the same patent No.5,978,125 was filed on October 31, 2001.

3. The paragraph beginning on Column 9, line 37 of the original patent No. 5,978,125 is amended as follows:

Table I [listed] **lists** the birefringence of potential birefringent materials for fabricating the proposed delay lines. Note that different crystals may be used together to construct a delay line: a crystal with small birefringence can be used to make segments of small delays (less significant bits) and a crystal with large birefringence can be used to make segments of large delays (more significant bits).

4. Please amend Column 7, lines 24-25 of the original patent No. 5,978,125 as follows:

To minimize the number of polarization rotators in the device, the lengths of the crystal segments **increase** [increases] successively by a factor of 2, as shown in FIG. 5C.

5. Please amend Equation (5) in Column 7 from the original form:

$$\Delta L_{max} = \left(2^0 + 2^1 + 2^2 + \ldots 2^M - 1\right)\Delta l$$

into the following rewritten form:

$$\Delta L_{max} = \left(2^0 + 2^1 + 2^2 + \ldots 2^{M-1}\right)\Delta l \,.$$